OLD

Part–III 3-Tier

2017

AQUACULTURE MANAGEMENT

(Honours)

PAPER—VIII

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer *all* questions.

1. Estimate the strength of provided NaOH solution using 0.1(N) oxalic acid solution. Write down the principle and protocol. State about qualitative and quantitative analysis of soil. 8+2+2+3

Or

Estimate the organic Carbon/pH/texture from supplied soil sample. Write down the principle and protocol. Comment on your result. $8+2\frac{1}{2}+2+2\frac{1}{2}$

2. Estimate Salinity/Hardness/Dissolved oxygen from supplied sample water. Write down principle and protocol. Comment on your result.

8+2+2+3

3. Identify the specimen with reasons mentioning systematic position, specimen characters and limnological comments / characters and use for : 24

(a) Two phytoplankton ; 3×2

(b) Two zooplankton ; 3×2

(c) Two aquatic weeds ; 3×2

(d) Hook / Sinker / Float / Twine (any *two*). 3×2

4. Make a slide preparation from fish body scrap /gill scrap and stained with gram stain. Comment on your result. 6+2

Or

Write down the requirements and procedure of plate count method. State the importance of this method. 3+3+2

5. Write down the requirements and preparation procedure for the following any one preparation.

Fish pickles / Chitosan / fish finger. 4+4

6. Submission of power point presentation / Chart / Model relevant to any Aquaculture related topics. 10

Or

Submit a Field Report / Survey Report related to syllabus studied by you. 10

7. Submission of Practical Note Book. 10

8. Viva-voce. 10
